



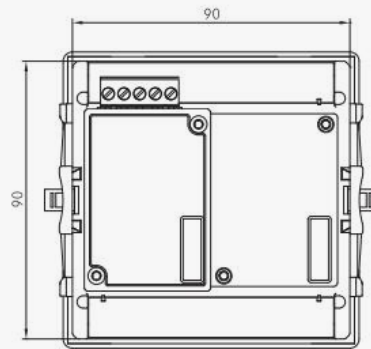
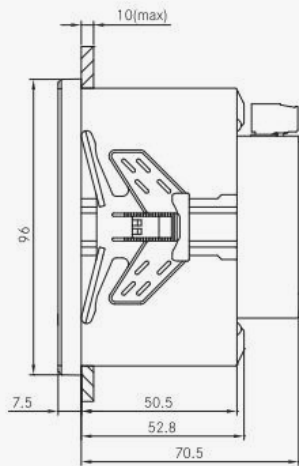
Digital Network Analyzer

Comprehensive power quality monitoring

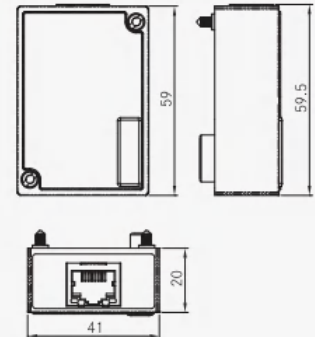
Easy data connectivity

3-years historical data record

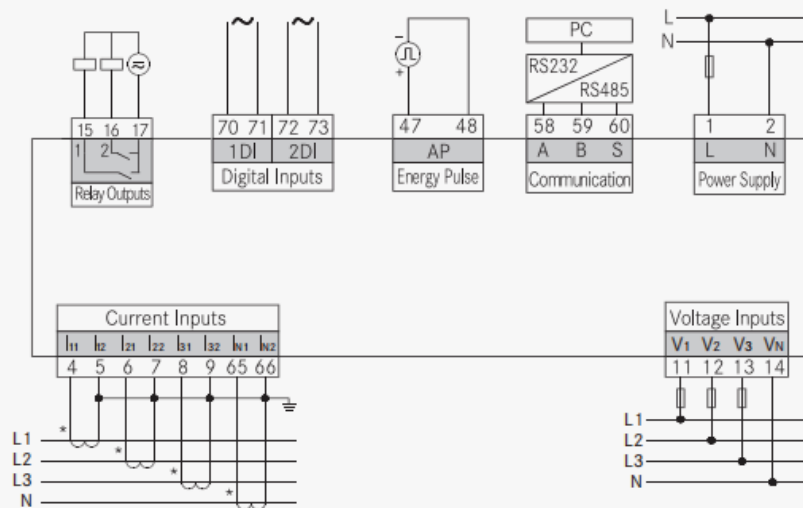
CMM72



FM

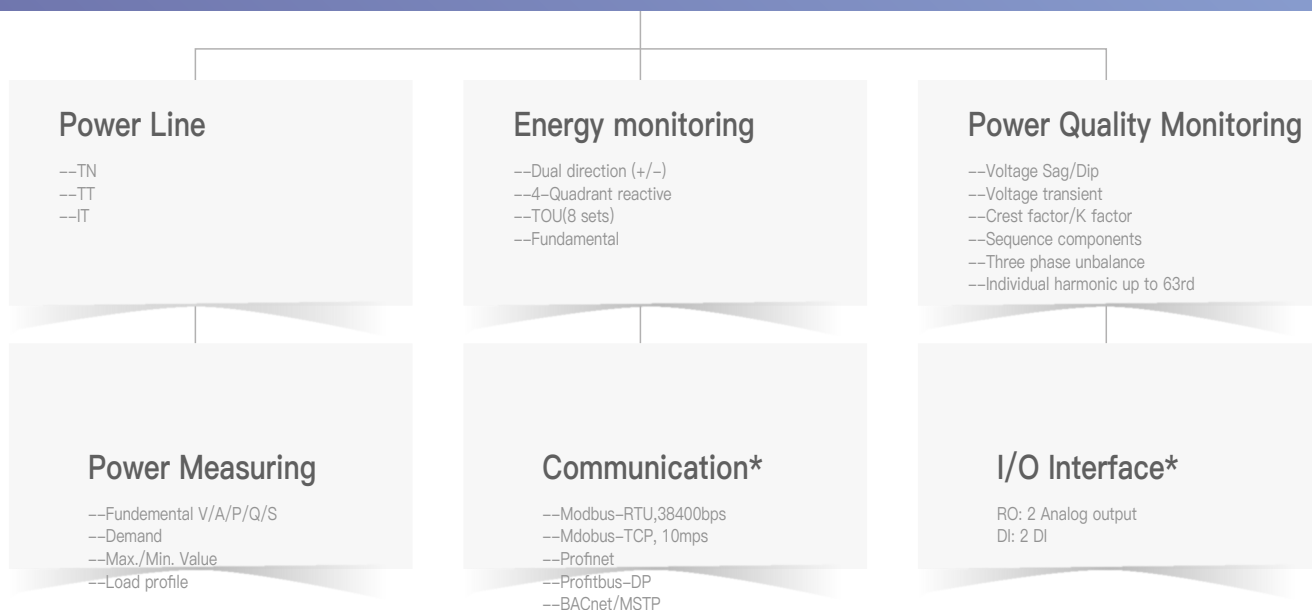


Typical wiring





Digital Network Analyzer



External Module

communication module	
FM7	Modbus-TCP
FM8	Profibus-DP
FM13	Bacnet/MSTP
FM18	Webview
FM22	Profinet

I/O Interface	
FM1	2DI (Wet contact)
FM2	4DI (Dry contact)
FM3	2RO (Relay output)
FM4	2AI (Analog output)
FM5	2CH (PT100)

Display mode	Sfere720XQC:TFT	Sfere720xQL:LCD
Accuracy	V/A	0.1%
	P/Q/S/PF	0.2%
	F	±0.01Hz
	±kWh	Class 0.2S
	±kvarh	Class 2
Voltage input	Rated value	AC 3*230/400V 3*100V etc
	Overload	Continuous: 1.2Vn Instantaneous: 2Vn/10s
	Burden	≤0.1VA/Phase
	Impedance	4MΩ
	Frequency	45Hz~65 Hz
Current input	Rated value	AC 1/5A
	Overload	Continuous: 1.2In Instantaneous: 2In/5s
	Burden	≤0.2VA/Phase
	Impedance	≤20mΩ
Power supply	Voltage	AC/DC 80~270V 50/60Hz
	Power consumption	≤5VA
Communication	Modbus-RTU	Baud rate up to 38,400bps
Energy pulse output		1 optocoupler output, pulse width (80±20%)ms
D/I	2CH	AC230V input, Isolation: 5000VAC
R/O	2CH	AC 5A/250V or DC 5A/30V, Isolation: 2000VAC"
Operation & storage	Temperature	-25℃-70℃
	Relative humidity	≤93%
	Altitude	≤2500m
Insulation		≥2kVAC
IP degree		Front IP54, Rear IP20